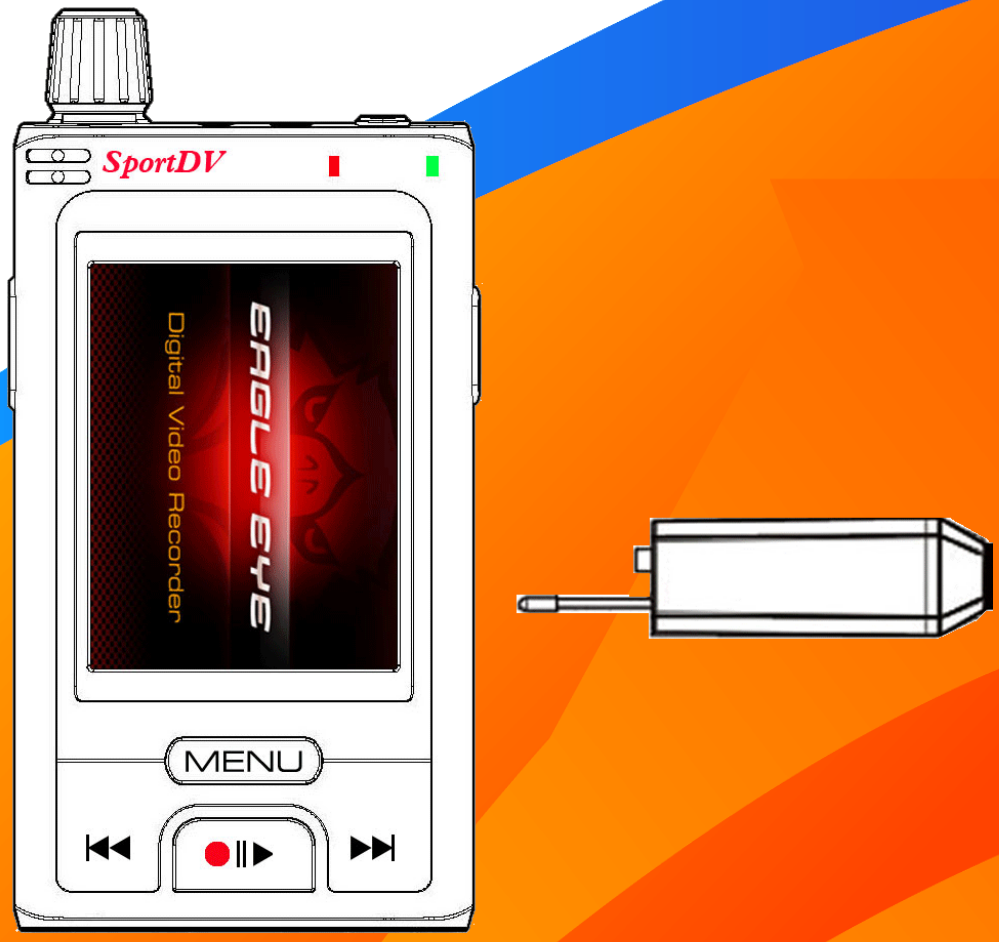
EAGLE EYE

USER MANUAL



Please read this user manual carefully and thoroughly before any attemptto Install and operate this product and retain it for your future reference.

CATALOG

INTRODUCTION ……..…….3

WARNING ……...……...…..…… 4

OVERVIEW……...……...…5-7

Main device……..……..……...…….5

Remote Controller……..6

Power charger……7

BASIC OPERATION ……...…….. 8-13

Battery Installation……...……...……8

Connect with the camera ……... ……..…….9

Start recording……...……..10

Connect with TV……..…….....……11

Connect with computer…….……...……..12-13

FUNCTION MODES…….14-20

Booting picture…….……...……14

Record Interface……..……14

Record interface……...……15

Multi-media folders……...……16-20

Function setting……..…..……...……21-39

ACCESSORIES……...…….40-41

PARAMETERS……..42

INTRODUCTION

Thank you for purchasing PV922 which has the unique, ultra-small and delicate design. It can be used in many recording situations. PV922 rings more convenience, safety and funs to your daily life.

Approval Information:

All our products meet the requirements of approval FCC or CE, and are granted the FCC or CE certification. They are authorized to bear FCC or CE mark.

FCC:

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

CE:

This product complies with standards including Low Voltage Device Directive 73/23/EEC; EMC Directive 89/336/EEC and R&TTE Directive1999/5/EC. It passed the subject tests by the authority concerned and is authorized to bear CE mark.

OVERVIEW

Along with the improvement of people's living standard and the development of picture compression and memory technology, the digital video memory has been a part of our daily life. PV922 a high-tech product, just meets a plenty of needs of people and market. It possesses a series of advanced functions including digital photography, voice memory, sound trigger recording, high speed USB data transferring and USB charging.

EU Environmental Protection
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Attention

The electromagnetic fields at the specific frequencies may influence the picture of the recorder. Be sure to read the following before using the recorder and the mini camera.

The requirements of receiving wireless signal:

The frequency of wireless signal transmit by this product is 2.4GHz FM, maybe interfere by other electronics, such as high-voltage, signal transmitting beacon, wirelss remote control and wirelsss alarm. Please keep away from them as possible. And please try other channel if signal in monitor status is not well.

Trial recording

Before you record one-time events, you may want to make a trial recording to make sure that the recorder and the camera are working correctly.

Notes on image data compatibility

Playback of moving images recorded with your recorder on other equipment and playback of moving images recorded or edited with other equipment on your recorded are not guaranteed.

Do not shake or strike the recorder

In addition to malfunctions and inability to record moving images, this may render the SD card unusable of image data breakdown, damage or loss may occur.

LCD screen and mini camera

Be careful when placing the camera near a window or outdoors. Exposing the LCD screen or the lens of camera to direct sunlight for long period may cause malfunctions.

Back up recommendation

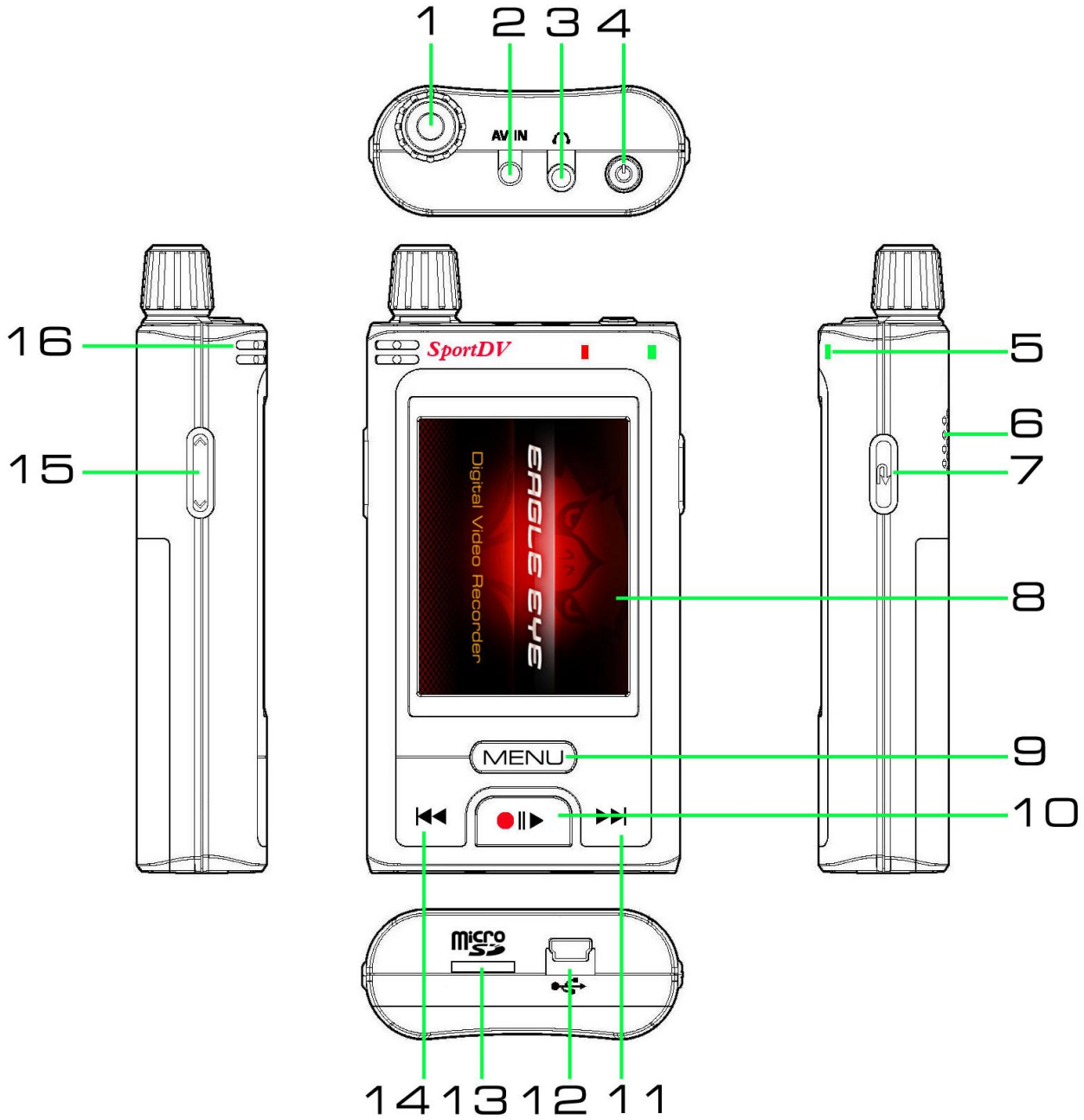
To avoid the potential risk of data loss always copy data to a disk.

Protect your hearing.

Hear by high volume earphone will damage your hearing, we suggest you use a suitable volume during listening.

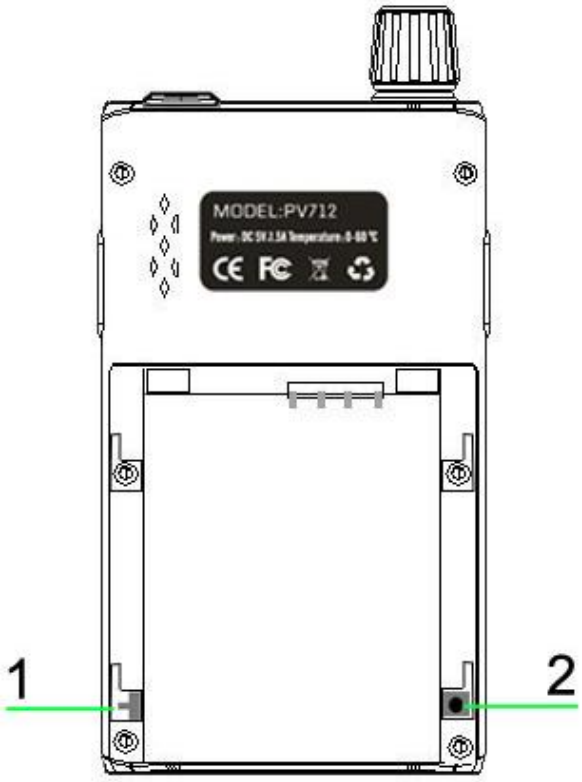
*Overview

Main Device



1.Function knob
2.Video Input
3.AV Output/Earphone jack
4.Power switch/Delete/Capture
5. LED light
6. Speaker
7. Channel switch
8.TFT LCD
9. Select /Back
10.Play/Record/Confirm
11.UP
12.USB jack
13.Micro-SD slot
14.Down
15.Volume
16.Microphone

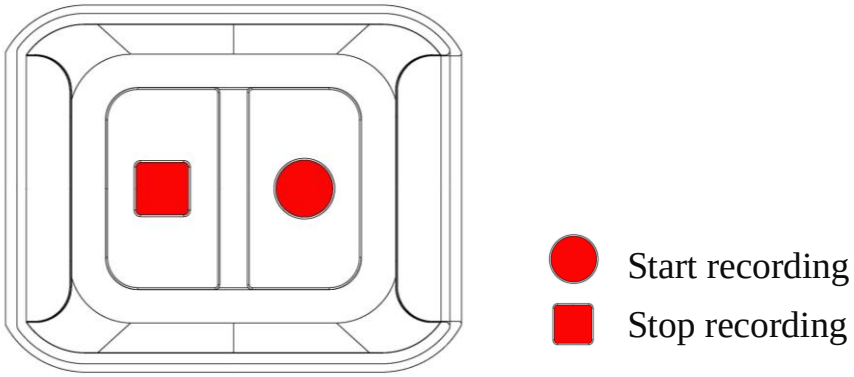
Back side：



1, Toggle switch: use to change between 6.0 and 6.5 audio system.

2. Remote control match button: use to match new remote control's frequency, the match button and start recording button on remote control should be pressed on the same time during matching.

Remote control



Notice:

1, When you use remote control to record, press the start recording button will power on the DVR and start to record video, but LCD is still in turn off mode.

2, Press stop recording button will stop recording and power off DVR main set.

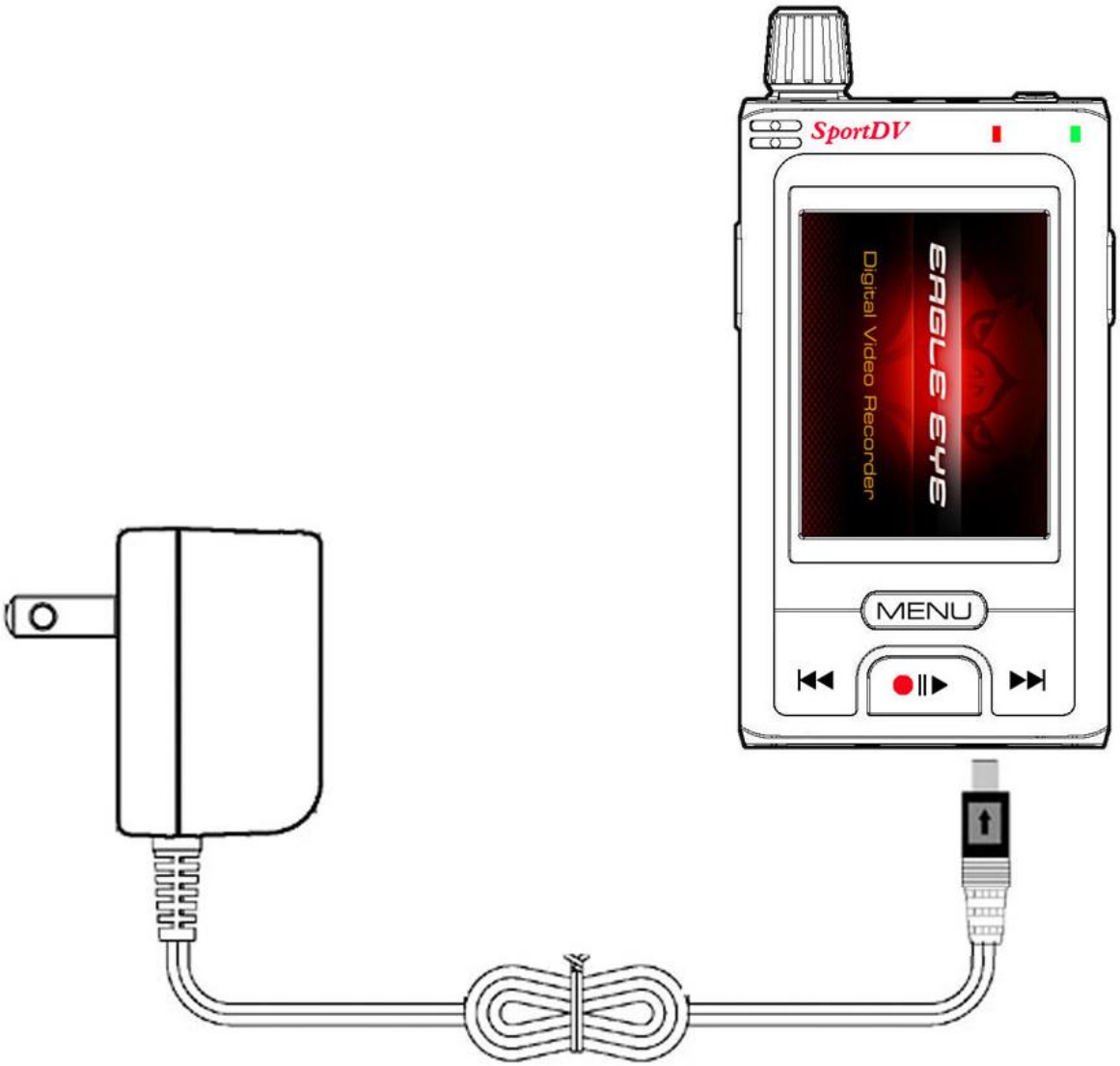
3, During remote control mode, the all buttons on DVR main set are unavailable to operate. After you stop recording and power off DVR by remote control, the buttons on DVR will be available to operate.

4, The working range of remote control is 10 meters under unblock situation.

BASIC OPERATION

Power Charger：

Please chage the battery before first using.



1. Connect charger's USB pins into PV922's multifunctional USB port.
2. Connect the charger with standard AC power socket.
3. When the battery is full charged,（ ico on LCD will not flash any more），you can pull out the charger from power socket.

LED lights：

1, During PV922 is in charging mode, the red LED light will be always turn on.

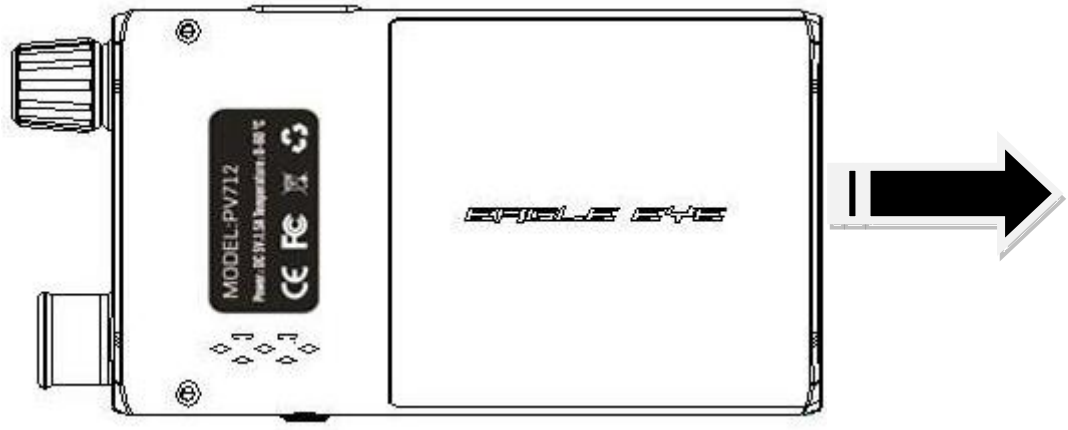
2, After PV922 full charged, red LED light will be turn off and blue light start turn on.

Notice:

If you want to charge power when the DVR is recording, it only can works with wireless camera. Otherwise, the wire camera has no enough power, may cause bad recording effect.

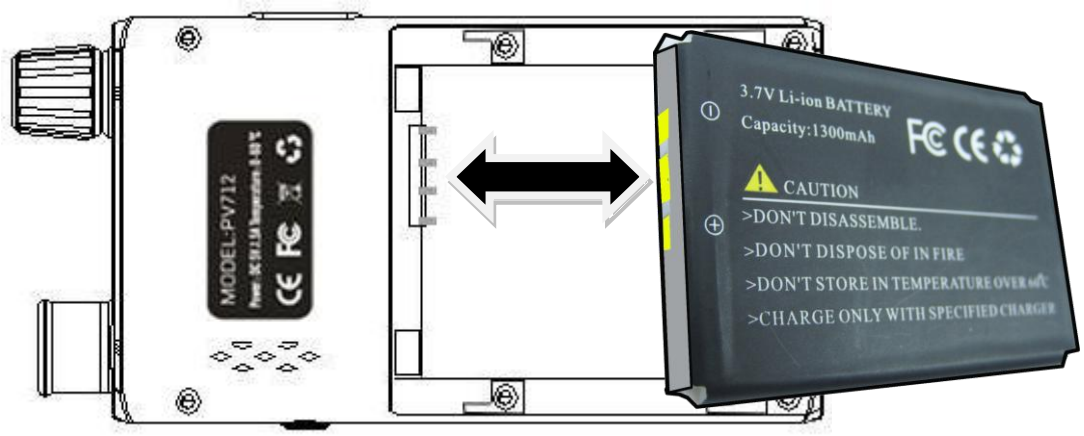
Install the battery：

Pull down the cover according the picture shows below, open the battery back cover.



Shown as Fig below：

The 4 golden female pins of the battery should be full touched with the male pins in the battery house.



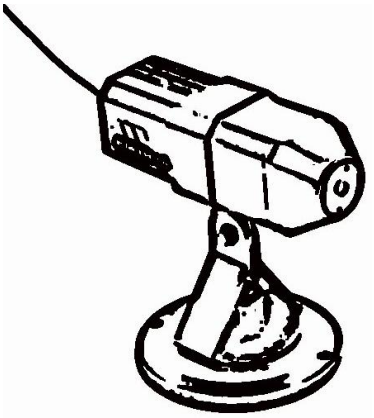
Close the cover after install the battery well.

Battery using time information form：

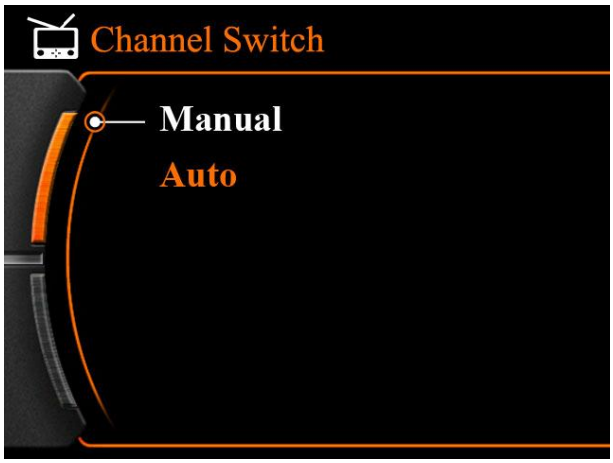
Capability	Charging time	Standby time	Playing time	Recording time
1300mAh	Approx ： 4 hours	Approx ： 2 hours and 19 minutes	Approx ： 4 hours	Approx one hour and 43 minutes

Connect With the Camera：

Picture 1：**Wireless camera receiving**



1. Install the camera to the location you want to monitor, choose the bset channel, and then connect with the power source.
2. Switch the Function knob on main set to wireless receiving mode, press channel change button to receive signal which sent from wireless camera.
3. In wireless mode, press menu button can choose manual operation or auto operation.



*Choose manual, press [●/▶|] to save, and press menu to back, use [ ] to change channel by hand.

* Choose Auto, press [●/▶|] to save, and press menu to back, the main set will change channel per 5 seconds.

The meanings of wireless iterface ico:

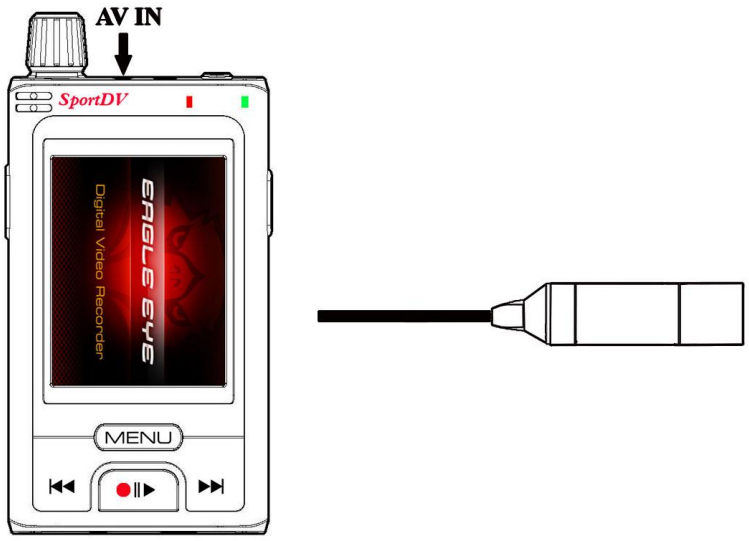
Wireless receiving situation, CH1：current receiving channel， AUTO: channel auto change mode. 自动切换时间为 5 秒切换一个频道

Note：

The frequency of wireless receiving	Channel	Min	Typical value	Max	Unit
	CH1	2413.75	2414	2414.25	MHz
	CH2	2431.75	2432	2432.25	MHz
	CH3	2449.75	2450	2450.25	MHz
	CH4	2467.75	2468	2468.25	MHz

Compatible with both 6.0 and 6.5 audio system.

Picture 2：Wire camera installation



1. Pullthe camera’s output port into main set’s AV IN port.
2. Power on the main set, switch to wire camera recording mode, the LCD screen will show the picture caught by camera.

Start Recording

① Power on the main set, match the frequency of main set and camera in wireless recording mode, or check the camera connection in wire recording mode.

② Switch the function knob to function setting, to set recording mode.

Press [●/▶|] button to start recording, top left corner on screen will show ●REC recording ico.

③ Press [●/▶|] button to stop recording, ●REC recording ico will disappear.

④ In preview mode, press [⏻]button can take photo.

Once-Operation recording mode: Continuous recording and storage the video per 30 minutes;

Motion recording mode： It will continuous recording if movement sensed, 30 minutes longest for each part, if movement is not sensed, recording will stop after 15 Secs.

Timing recording mode： Start recording according to the time you setted, 30 minutes of each video file.

Audio recording mode: The audio file will not storage in partial.

Attention：

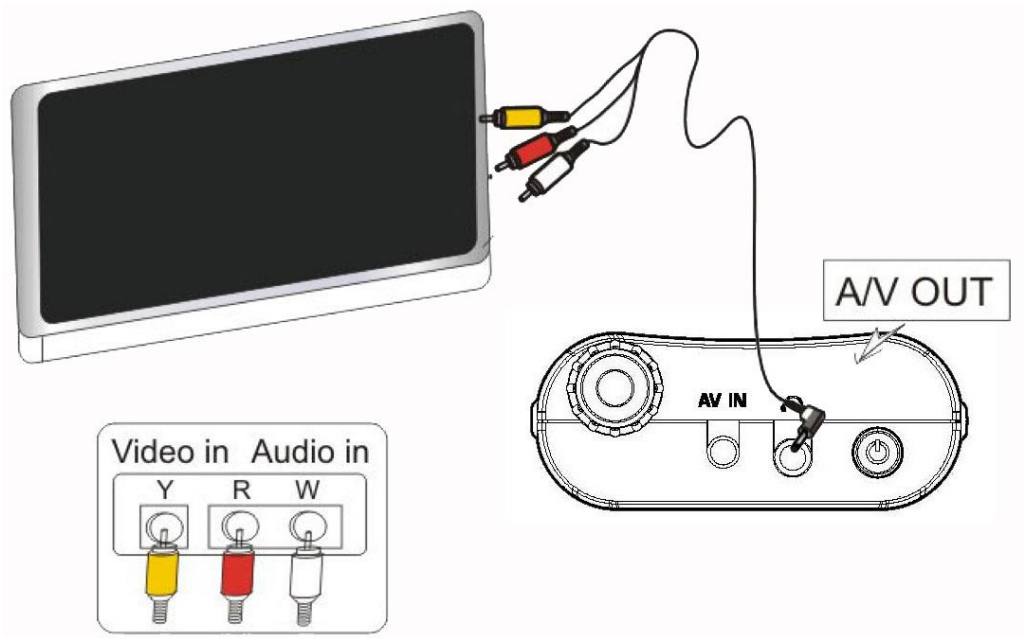
The mein unit has the vibrate notice while low power and no video signal.

1.While the camera did not connect with the main unit correctly, the main unit will vibrate because of no signal, please check the connection carefully.

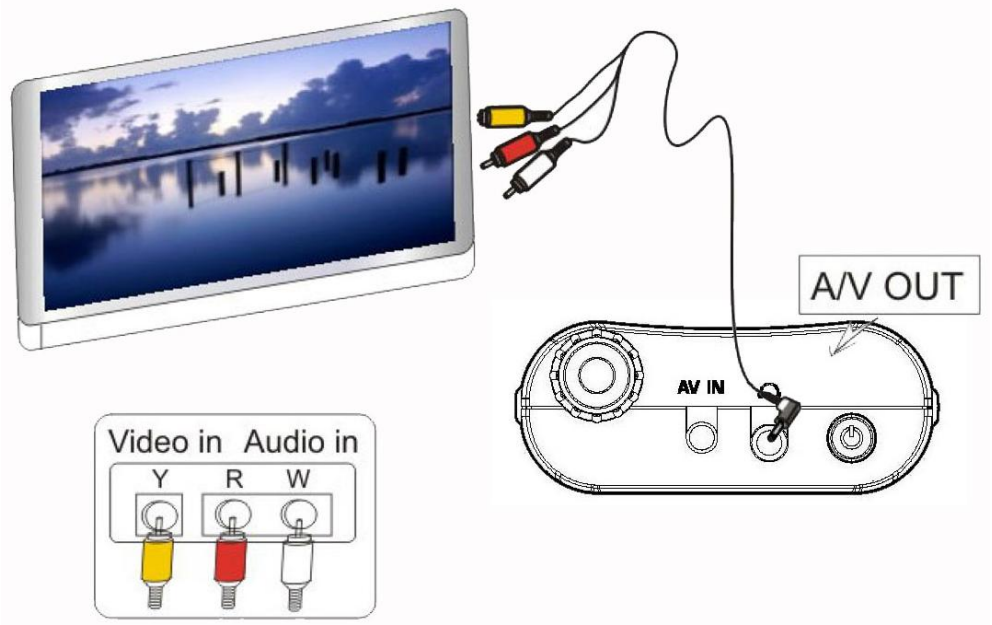
2.While the power is not enough, the main unit will continuous vibrate 3 times, at the same time stop recording.

Connect with TV：

1. Connect main set with TV by RCA AV OUT line. As follow:



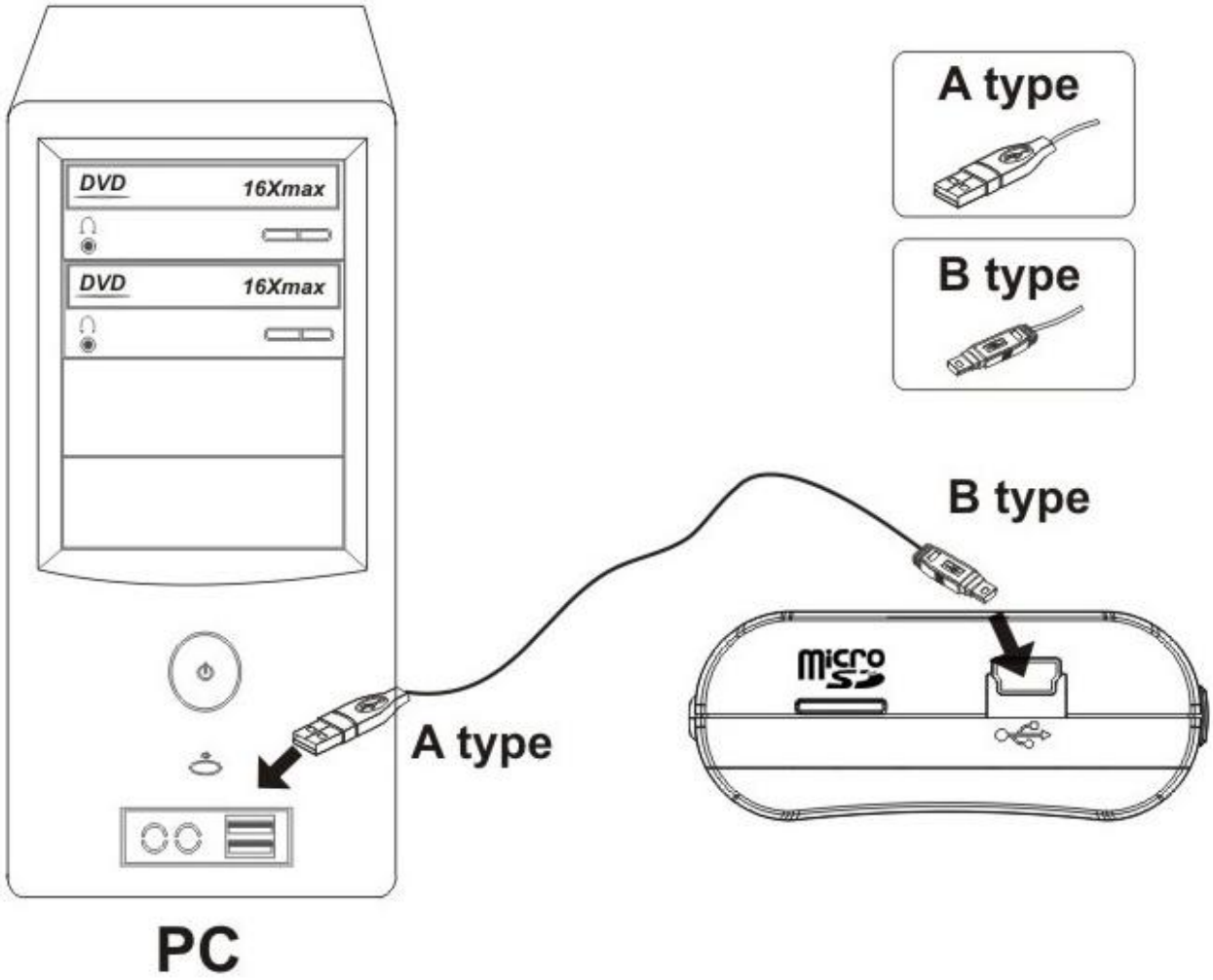
2. Power on the main set and TV, switch function knob on main set to function setting, choose video output, and press confirm button, choose PAL or NTSC TV system, then TV will show what on main set screen.



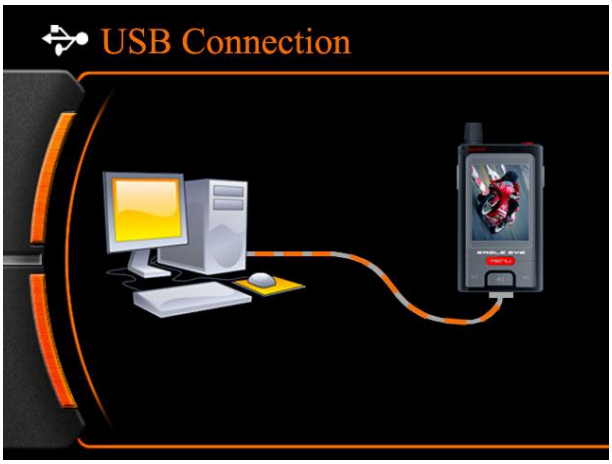
3. Switch the function knob to multi-medi, use [⏮] and [⏭] to select what you want to play, pess [●/⏯] to start playing.

Connect with Computer：

① Connect the USB and MINI USB with computer and the main unit separately.



② After connect with computer,PV922 will display " USB Connect", recharge indicator always on.



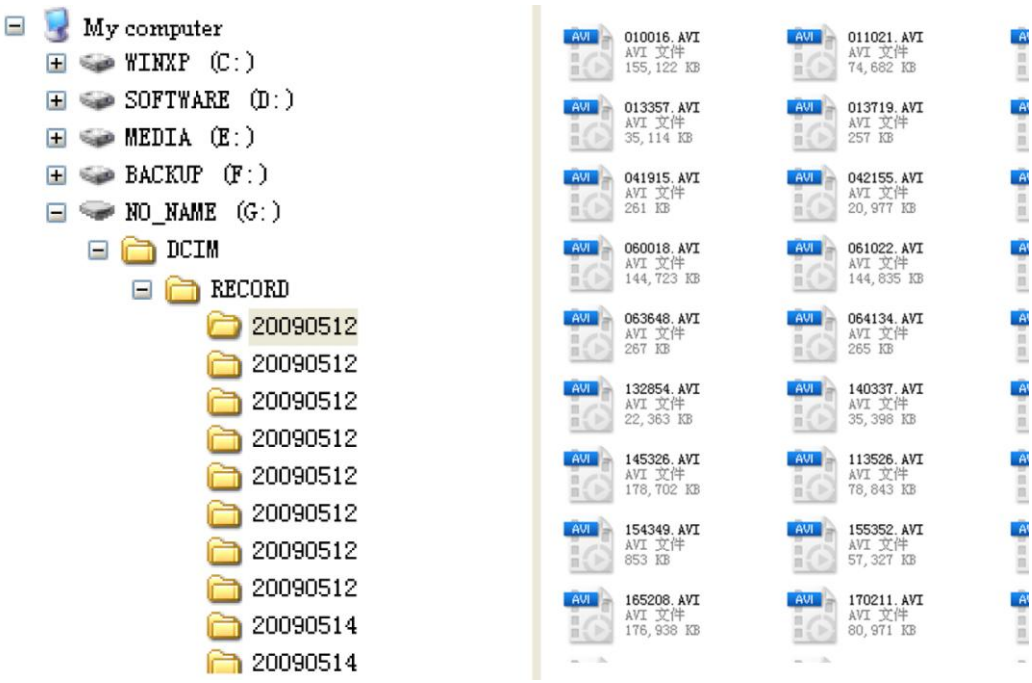
Note:

Connect with computer at power on states, can not operate as it is External Hard Drive.

Connect with computer at power off states, can do any operation as it is recharging.

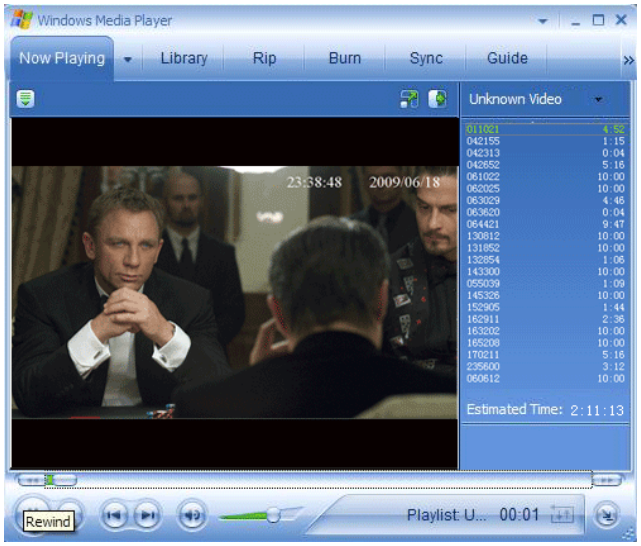
③ Open “my computer” to check if there has the removable hard disk, called “NO_NAME” .

Picture details：



④Open the video files in the folders.

⑤Check the video files in the folders, and play it by the default media player in your computer.



Attention：

Connect the main unit with PC under power off state，it is power charge mode, red indicator flash at the same time, files in the storage can not be read. Connect the main unit under power on state, the computer will read the files in the storage automatically and power charging at the same time.

*Function Modes

Booting Picture：

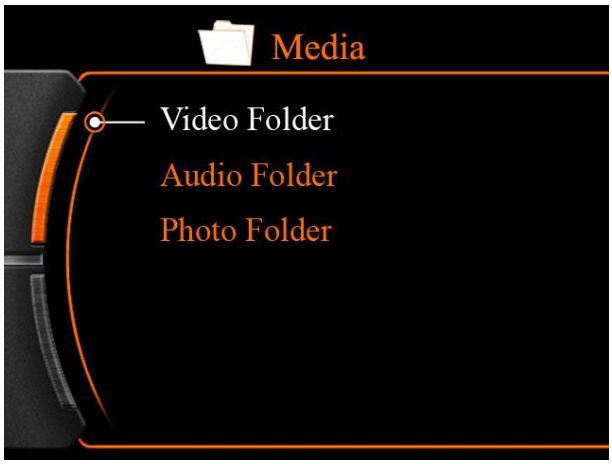
Record Interface：

Recording Mode：

⑴ Recording symbol
⑵Current time
⑶Video files
⑷Record time
⑸Card icon(if memory card available)
⑹Available memory
⑺Battery capacity
⑻Current time
⑼Picture quality of recording
⑽Record content
⑾Circular record

Multi-media folders：

Use [⏮]or [⏭]to select the folder and press [●/⏯]firm and enter.



Video folder：

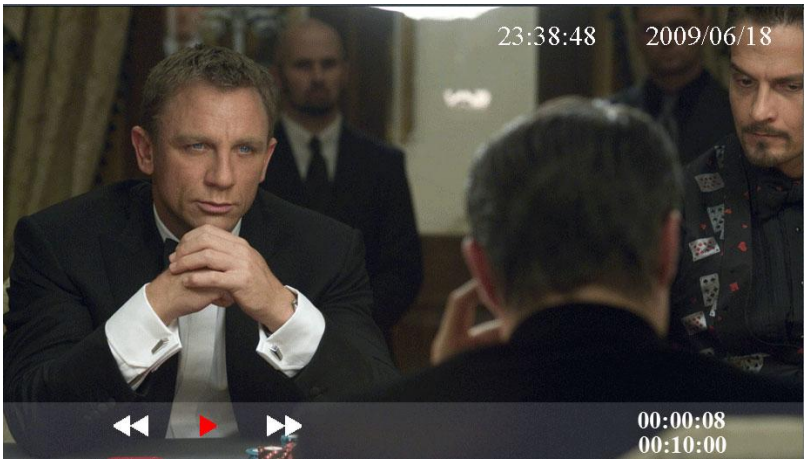
As picture above：”20091012” means the folder that built in 12th Oct of 2009. One folder for every day.

Video files：

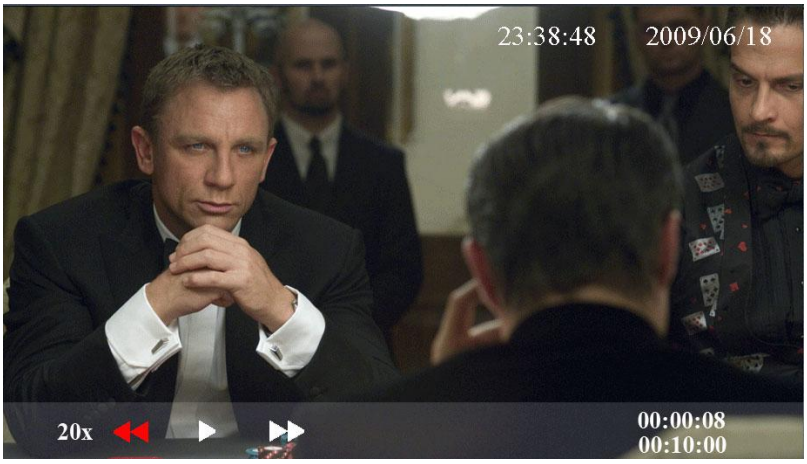
As picture above： ”223118.AVI” means the video file that built in 22:31:18 ,30 minutes in a file of each part.

Video play：

Use[⏮]and [⏭]select the video for playing and press [●/⏯] start play or pause.



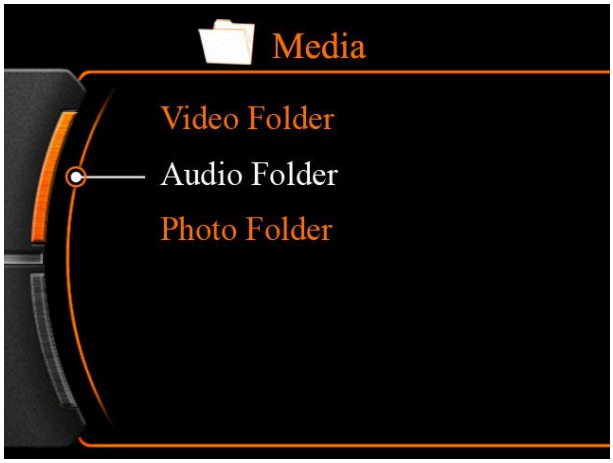
Use [⏮]and [⏭]select forward/backward mode and press [●/⏯]to play or pause.



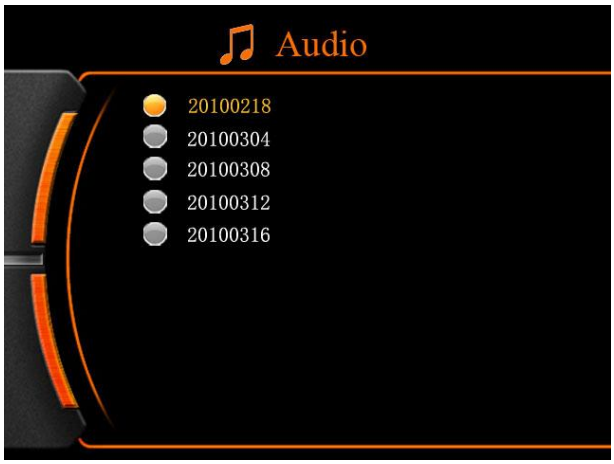
Notice： Here has 4 speed level of forward and backward. ×2/ ×4/ ×8/ ×20

Audio folders：

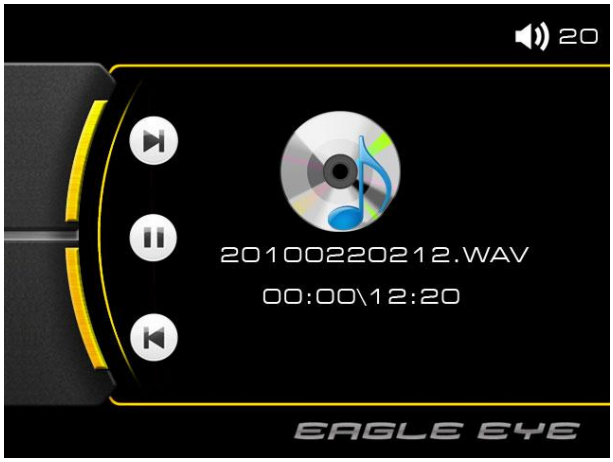
Use [⏮] or [⏭] to select the folder and press [●/⏯] confirm and enter.



For the audio files that already exist， please use [⏮] and [⏭]to select the content and press [●/⏯]confirm and playing.



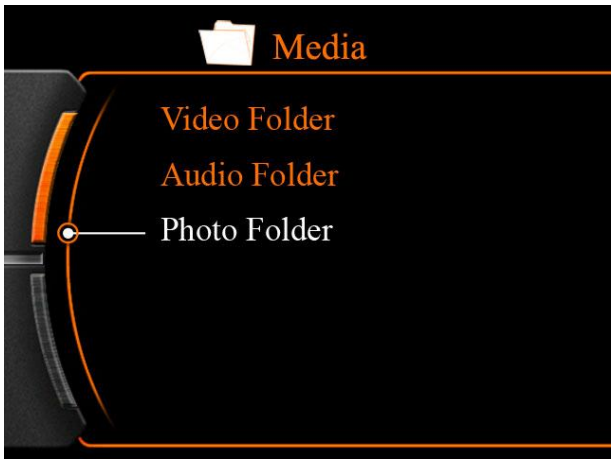
Playing interface:



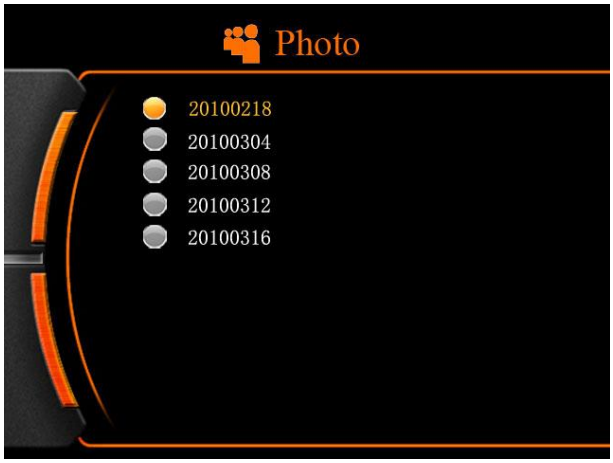
Press [⏮] and [⏭] button to play other audio content.

Picture folders：

Press [⏮] or [⏭] to select picture folder, press [●/⏯] confirm and enter.



Press[⏮]or [⏭] to choose the picture, press [●/⏯] playing it.



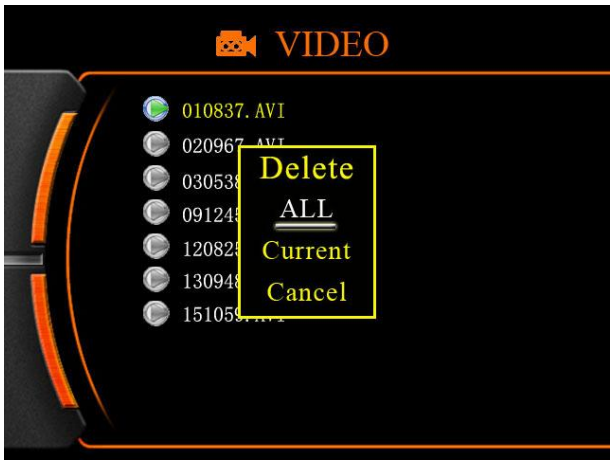
Picture Display：

Press [⏮] or [⏭] to browse other pictures.

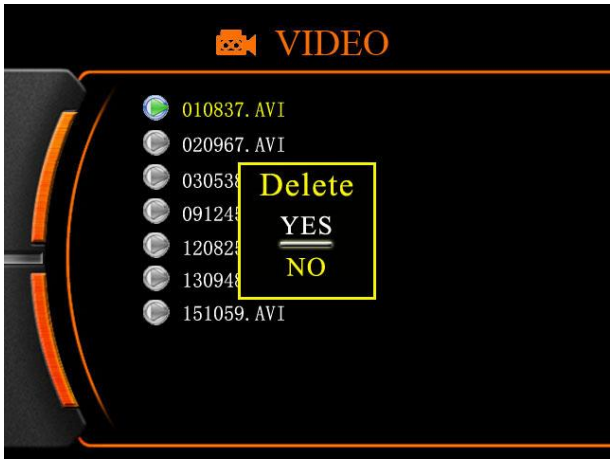
Note： JPG format picture, 640×480 resolution.

Delete files：

Enter video folder，choose the file that you want to delete, short press “Power” button till the delete menu appear.



Press [⏮] or [⏭] to choose “ALL/CURRENT”. Press [●/⏯] confirm or choose “ Cancel” menu quit operation.



Use [⏮] or [⏭] to choose “YES” or “NO”.Press [●/⏯] confirm delete or cancel this operation.

ALL： Delete all data

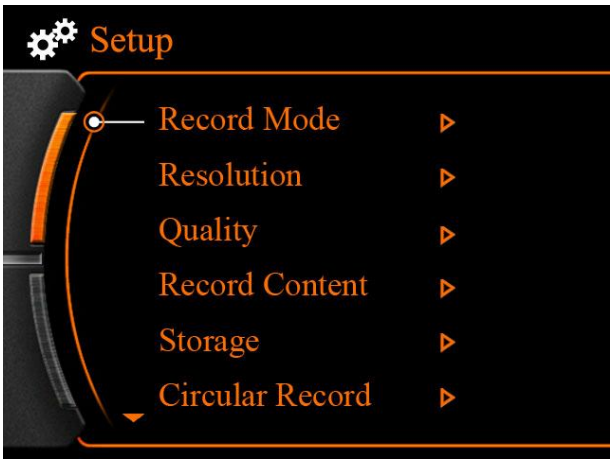
CURRENT： Delete the file that selectd

CANCEL： Cancel the delete operation

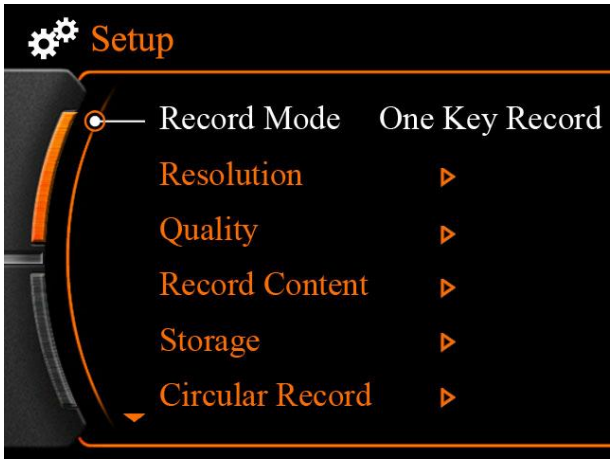
Function setting

Switch function knob to function setting, use [⏮] and [⏭] to set.

Press [●/⏯] button confrim to enter.



Use [⏮] and [⏭] to recording mode.

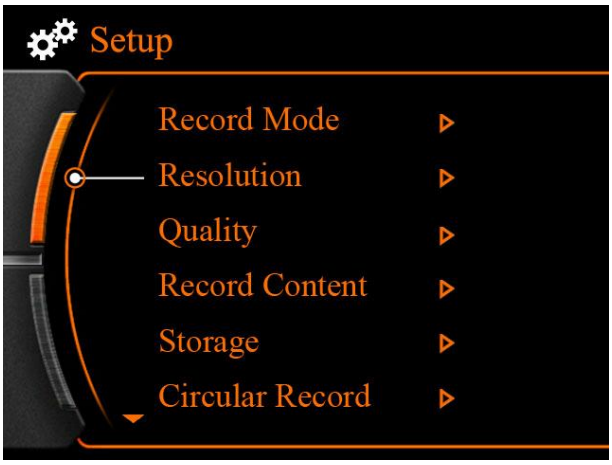


There are three recording mode for you selection: one key record, motion detect, time recording. User can set as his/ her personal need.

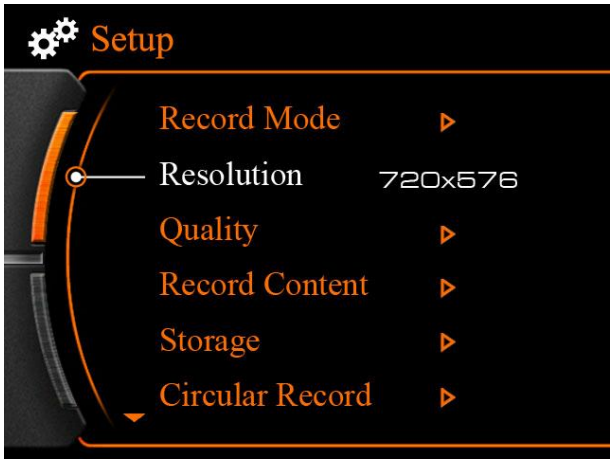
Press [●/⏯] to confirm exit.

Resolution setting:

Use [⏮] and [⏭] buttons let the flashing arrow to resolution setting location.



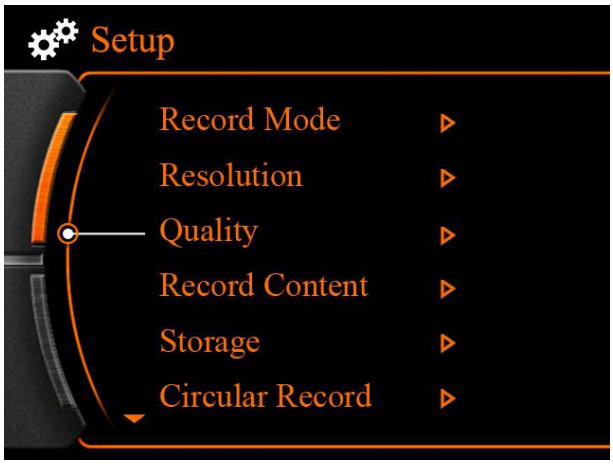
Press [●/⏯] confirm to enter.



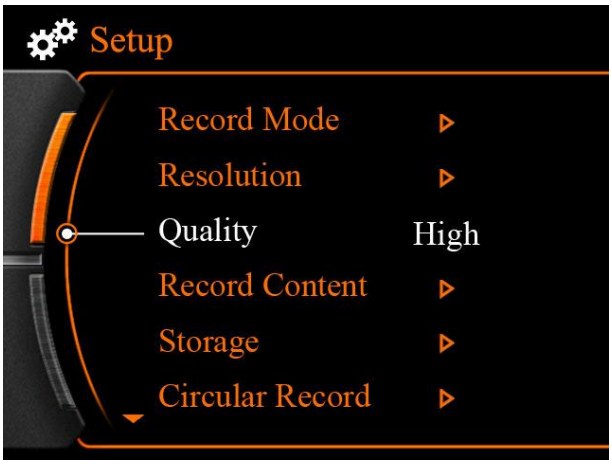
Use [⏮] and [⏭] to select resolution, and press [●/⏯] to save and exit menu.

Recording quality setting:

Use [⏮] and [⏭] let the flashing arrow to quality setting location.



Press [●/▶|] to enter.



Press [⏮] and [⏭] select quality, and press [●/▶|] to save and exit.

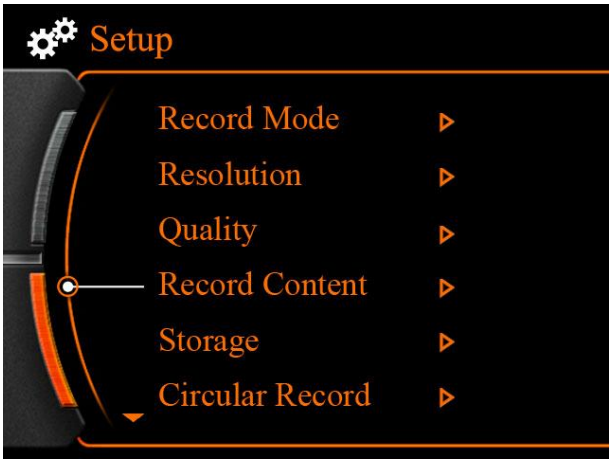
Per minute video file storage usage under different reolution setting:

Storage memory information form：

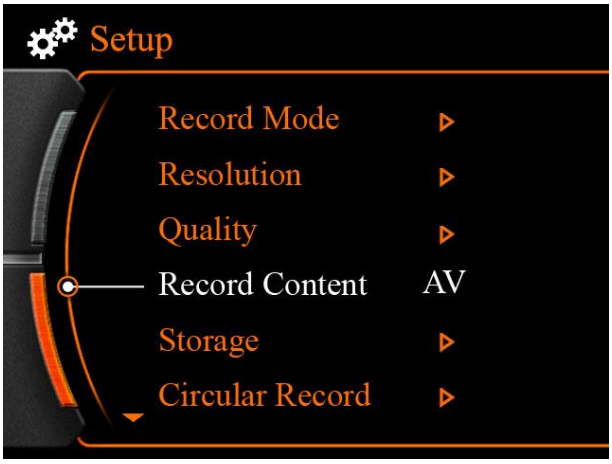
Quality Resolution	High	Medium	Low	Battery time
720x576	≤45MB	≤36MB	≤20MB	Approx. 1 hour and 40 minutes
720x480	≤43MB	≤33MB	≤18MB	Approx.1 hour and 30 minutes
640x480	≤39MB	≤27MB	≤16MB	Approx.1hour and 32 minutes
320x240	≤12.4MB	≤9.8MB	≤8.3MB	Approx.1 hour and 50 minutes

Record content setting:

Use [⏮]and [⏭] move the flashing arrow to record content setting location.

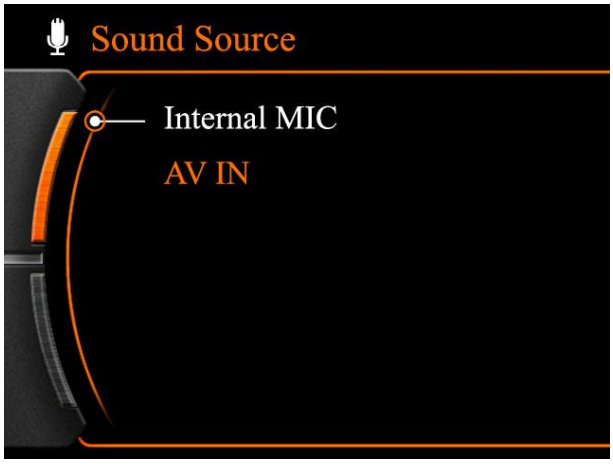


Press [●/⏯] to enter.



Use [⏮] and [⏭] to select recording content.

After you choose video and audio recording function, sound source menu will popu.

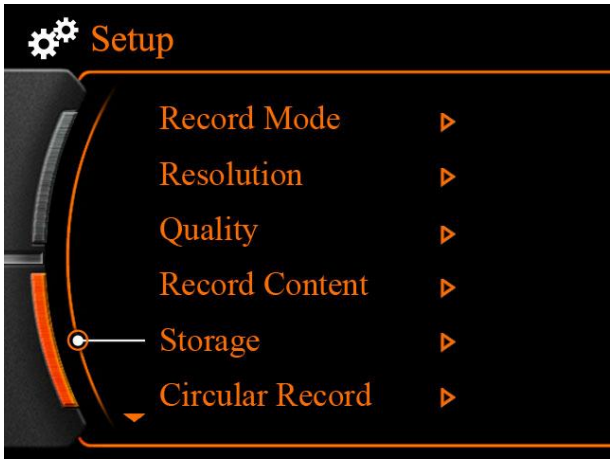


Internal MIC is MIC insid on main set itself, AV IN means audio signal provide by camera microphone or external audio signal.

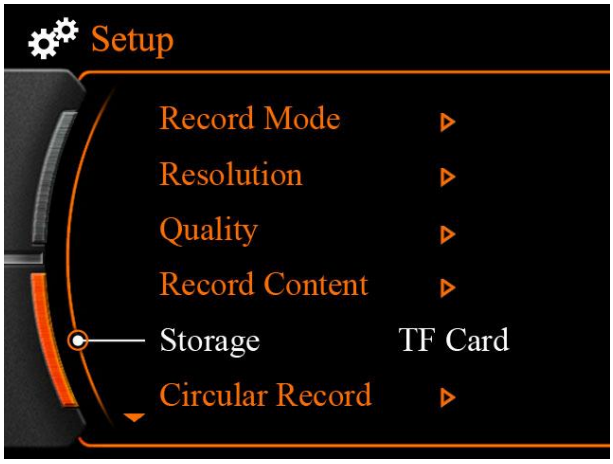
Press [●/⏯] to save file and exit.

Storage selection:

Use [⏮] and [⏭] to move the flashing arrow to storage location.



Press [●/⏯] to enter.



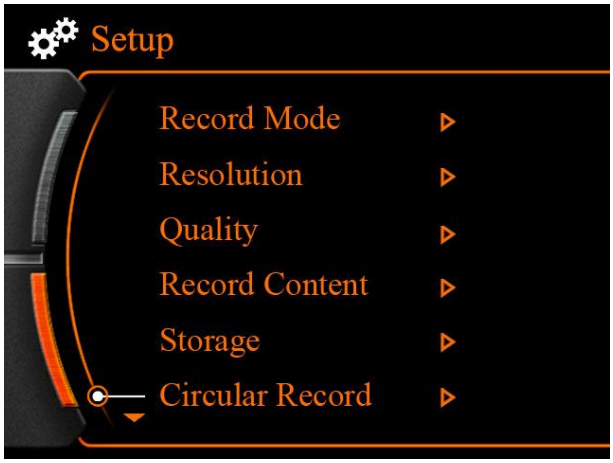
Use [⏮] and [⏭] buttons to choose TF card or internal memory, press[●/⏯] button to save and exit.

Support 32GB external TF card.

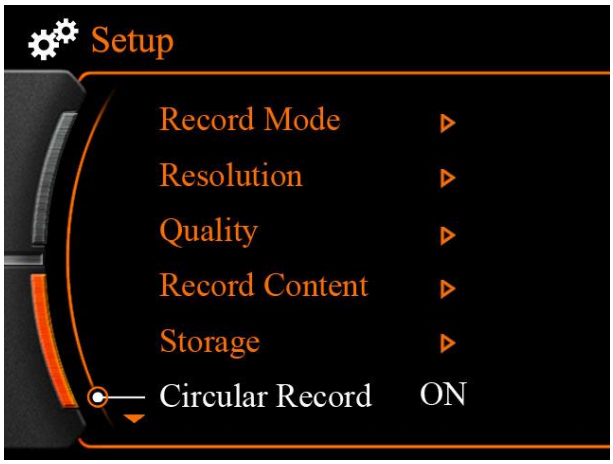
Circular record setting:

Use [⏮] and [⏭] to move falshing arrow to circular record.

.



Press [●/⏯] button to enter.



Use [⏮] and [⏭] buttons to turn on or off, press [●/⏯] to save and exit..

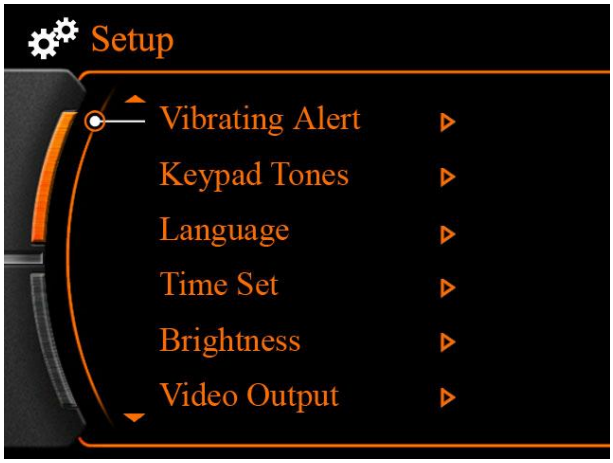
Notice:

If you turn on circular record, when card storage is full, system will delete the earliest video files, to make sure there is enough storage to save new content.

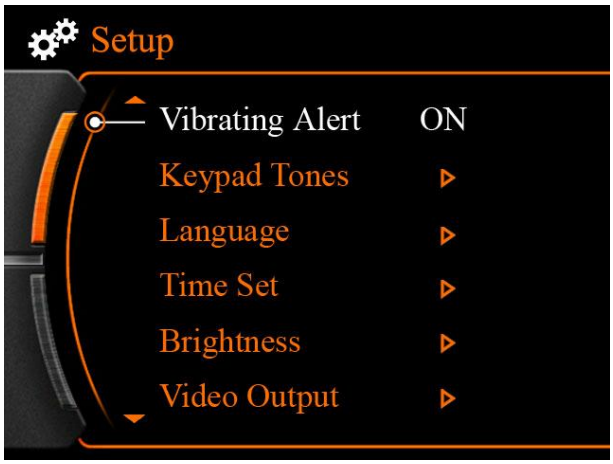
If user want save all contents, please do not turn on this function, and remember to change card when card is full stored.

Vibrating alert setting:

Use [⏮] and [⏭] to move falshing arrow to vibrating alert.



Press [●/⏯] to enter.



Use [⏮] and [⏭] to select turno on or off vibration, and press [●/⏯] to save and exit.

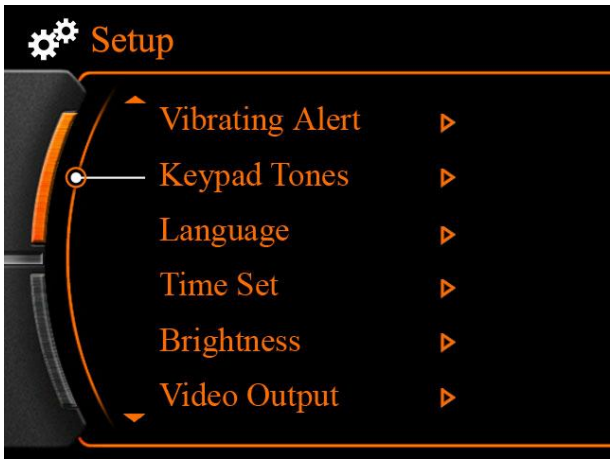
If you turn on vibrating alert, it will vibrate when main set has no video signal, or low power.

Notice:

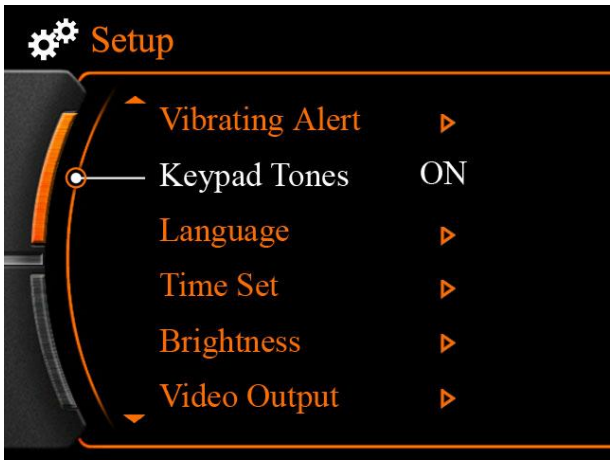
After turn on vibrating alert, the main set will consume bigger.

Keypad tones setting:

Use [⏮] and [⏭] to move falshing arrow to keypad tones.



Press [●/⏯] to enter.

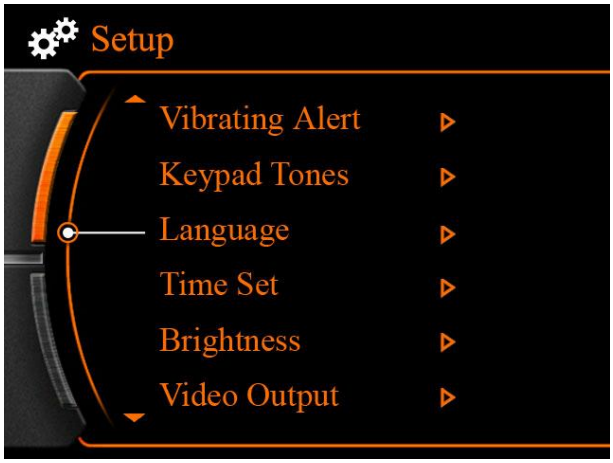


Use [⏮] and [⏭] to select to turn on and off keypad tones, and press [●/⏯] to save and exit.

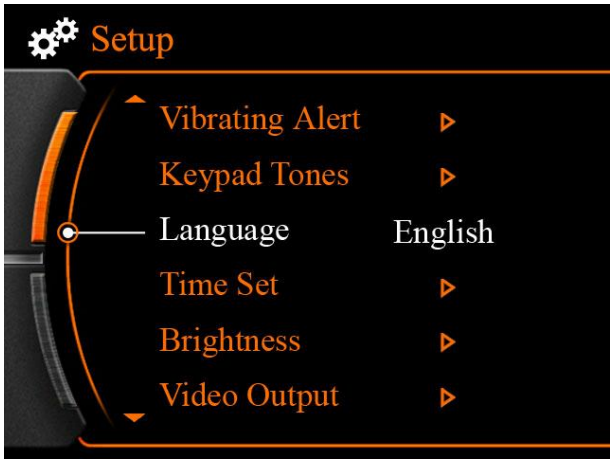
Keypad tones is buzz notice when main set has no video signal, low power or storage is full used.

Language setting:

Use [⏮] and [⏭] to move falshing arrow to language.



Presss [●/⏯] to enter.



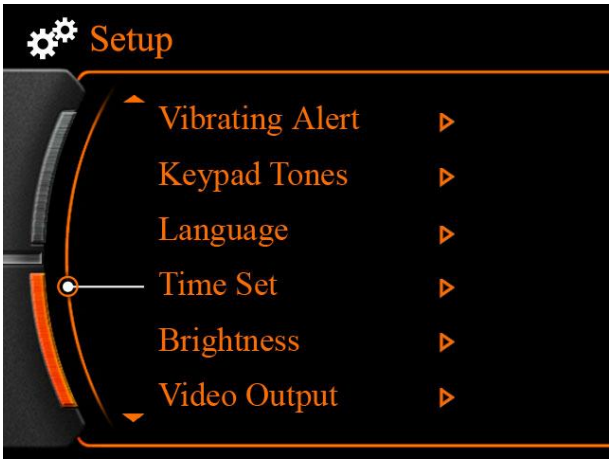
Use [⏮] and [⏭] to select language, prss [●/⏯] to save and exit.

This system has only Chinese and English menu right now.

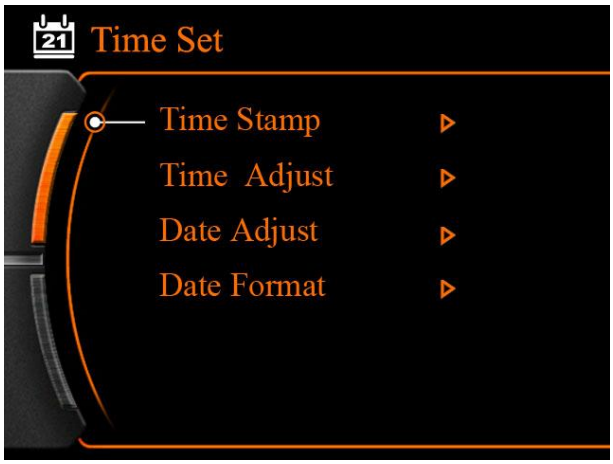
We can OEM the language in your country if user can provide translation.

Time set:

Use [⏮] and [⏭] to move flashing arrow to time set.

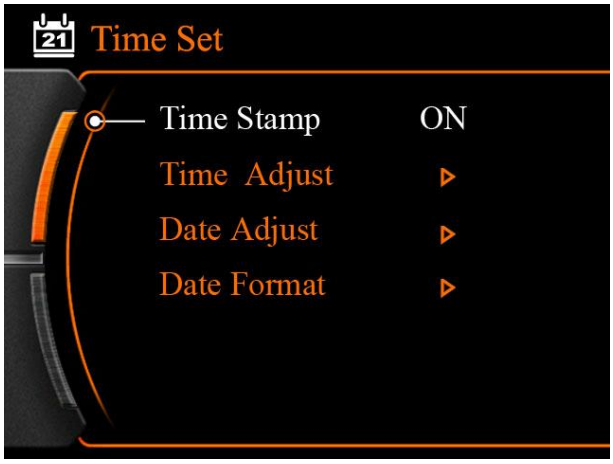


press [●/⏯] to enter.



Use [⏮] and [⏭] to select.

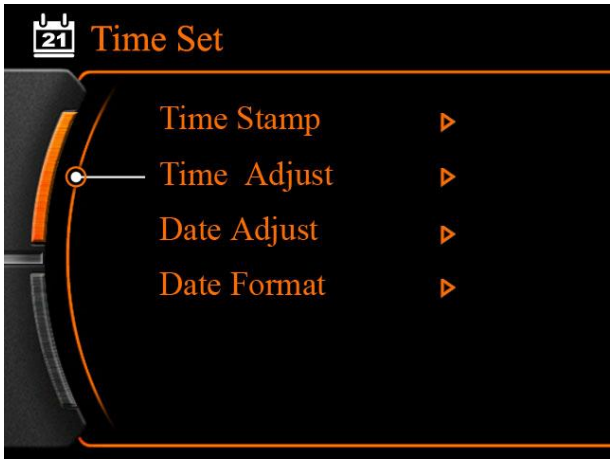
Time stamp setting:



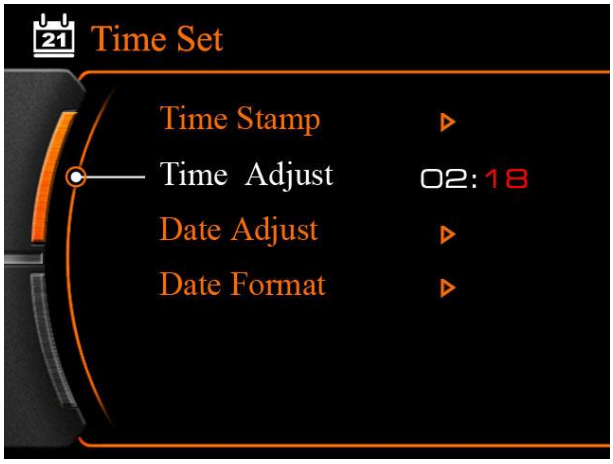
Screen only shows date and time once time stamp is turn on.

Time adjust:

Use [⏮] and [⏭] to move flasing arrow to time adjust.



Press [●/⏯] to enter.

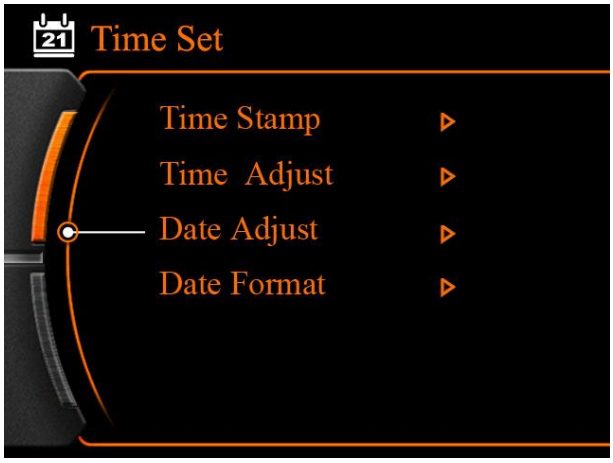


Use [●/⏯] button to select minute and second, use [⏮] and [⏭] to adjust.

Press Menu button to save and exit.

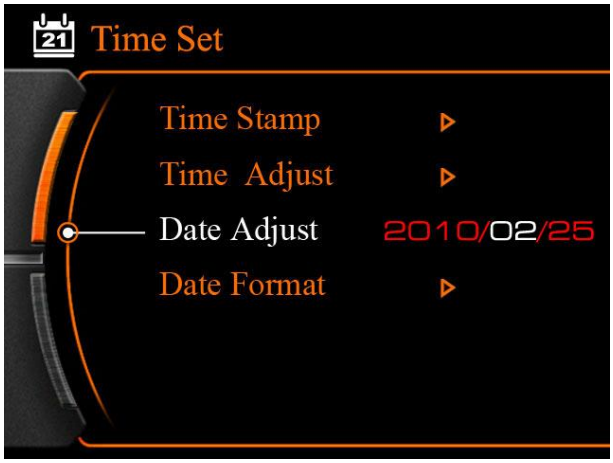
Date adjust:

Use [⏮] and [⏭] to move flasing arrow to date adjust.



Press [●/⏯] to enter.

Use [●/⏯] button to year, month and day, use [⏮]and [⏭]to adjust.

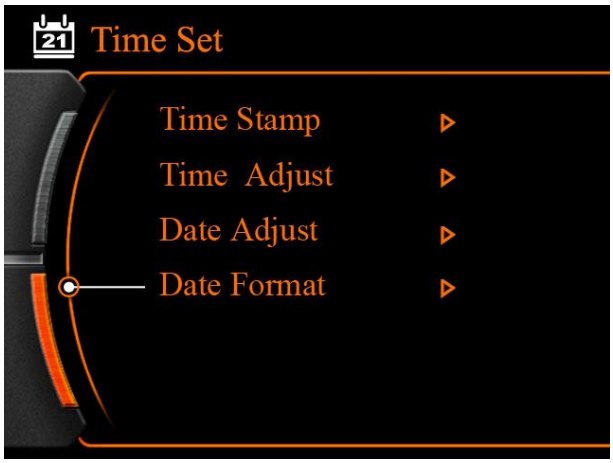


Press Menu button to save and exit.

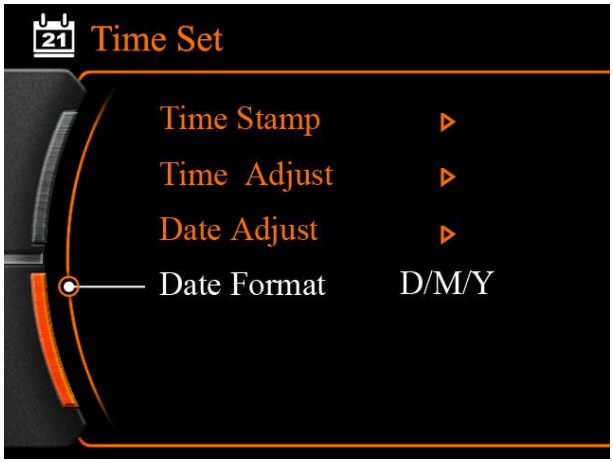
Date format:

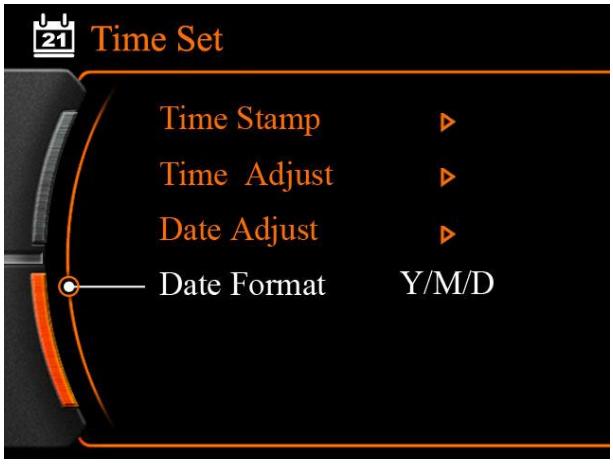
Use [⏮] and [⏭] to move flasing arrow to date format.

.



Press [●/⏯] to enter.





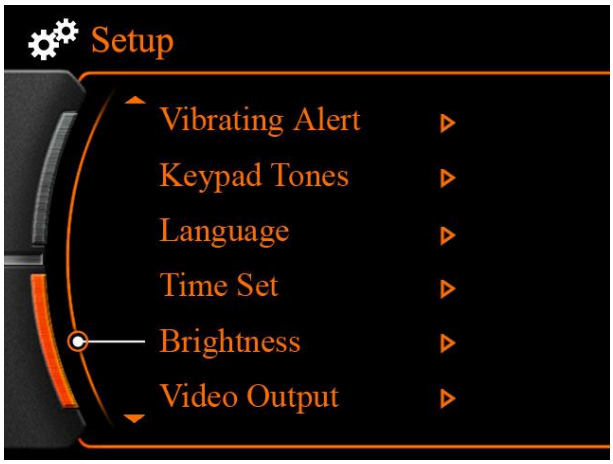
Use [⏮] and [⏭] to select display format of date.

Press [●/⏯] to save settings.

Press Menu button to save and exit.

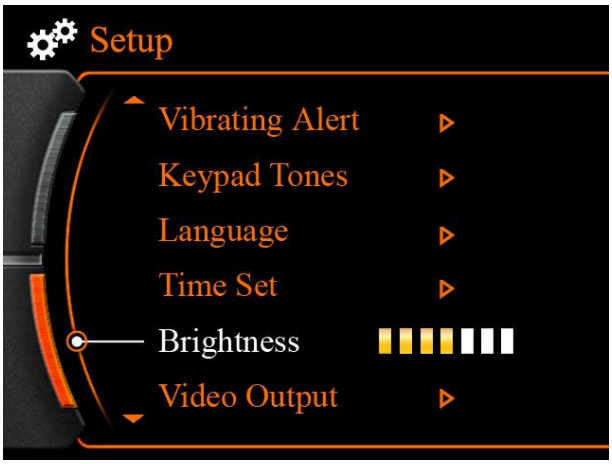
Brightness setting:

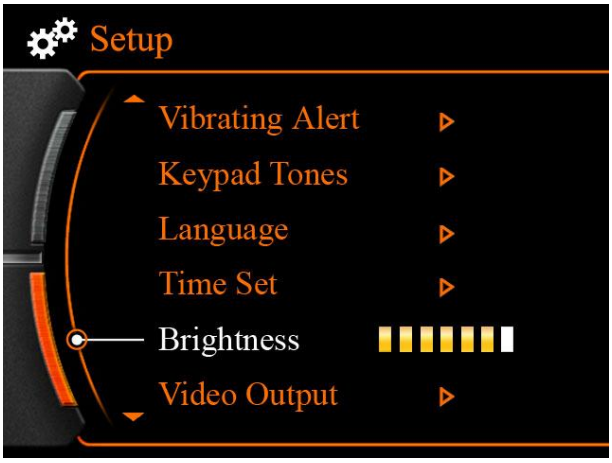
Use [⏮] and [⏭] to move flasing arrow to Brightness.



Press [●/⏯] to enter.

Use [⏮] and [⏭] to select intensity of brightness.



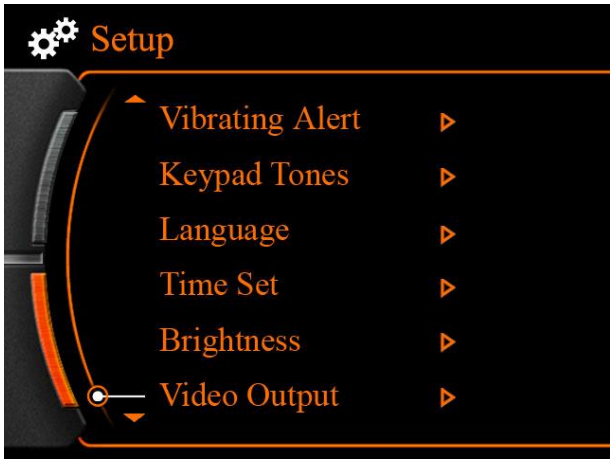


Press [●/⏯] to save settings and exit.

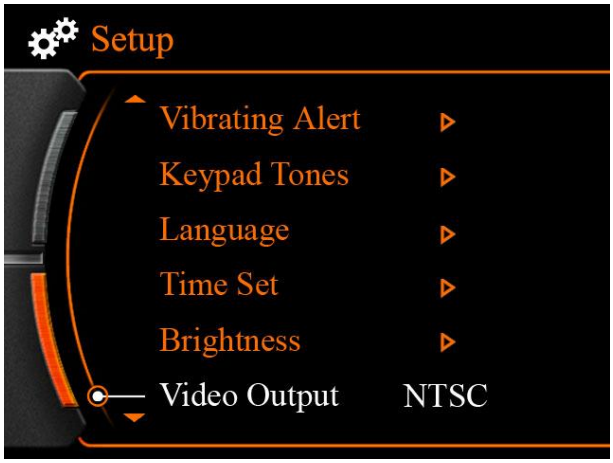
Video output：

This function is availablewhen connect with TV, make sure connection is correct before setting.

Use [⏮] and [⏭] to move flasing arrow to video output.

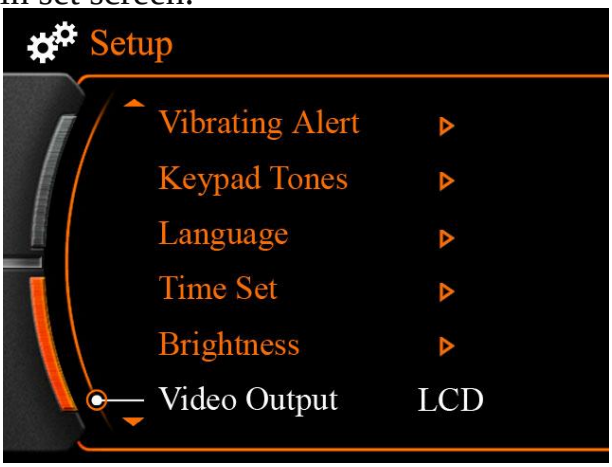


Press [●/⏯] to enter.



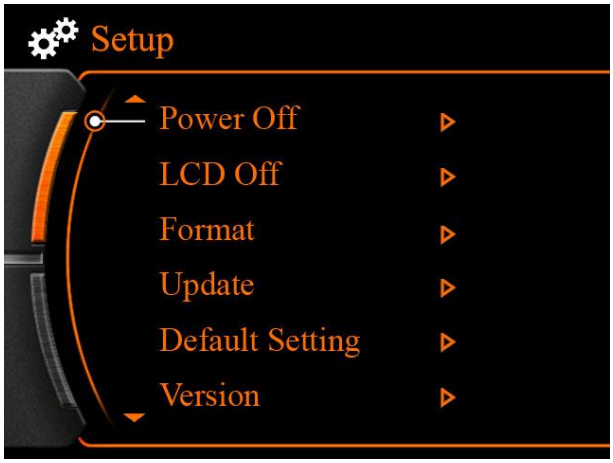
Use [⏮] and [⏭] to select TV system, main set screen will turn off, and the content show on TV.

If you want to quit TV display, please select LCD, and press [●/⏯] to confirm, the content will show on main set screen.

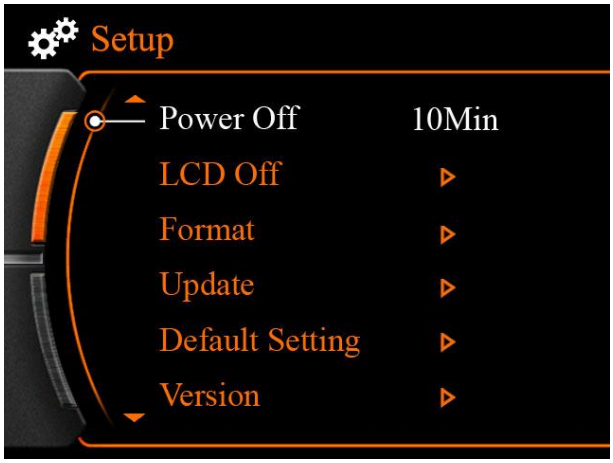


Auto power off:

Use [⏮] and [⏭] to move flasing arrow to power off.



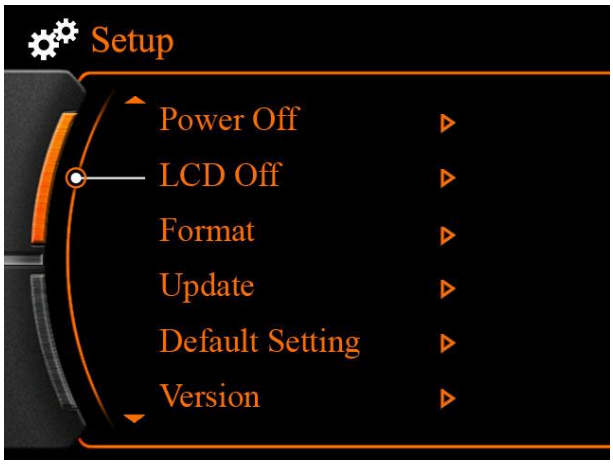
Press [●/⏯] to enter.



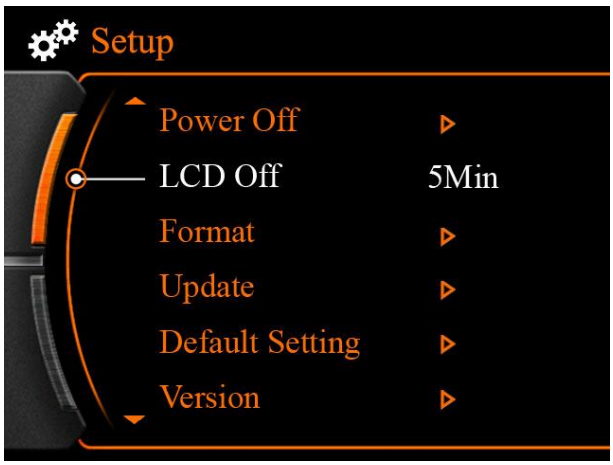
Use [⏮] and [⏭] to select 1 minute, 5 minutes , 10 minutes, or never.

LCD off:

Use [⏮] and [⏭] to move flasing arrow to LCD off.



Press [●/⏯] to enter.



Use [⏮] and [⏭] to select LCD off time.

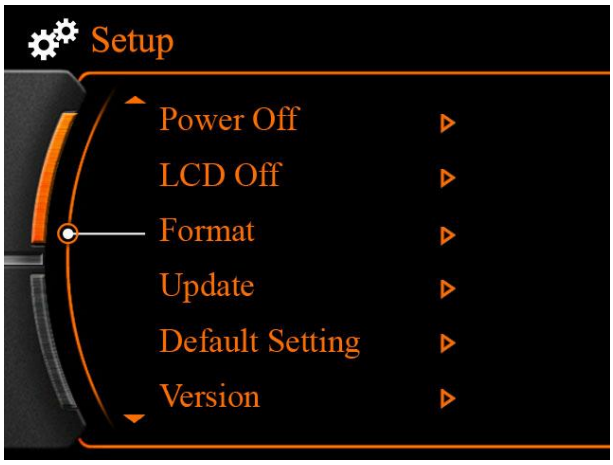
Press [●/⏯] to confirm.

Note:

Press any button can turn on LCD after LCD off.

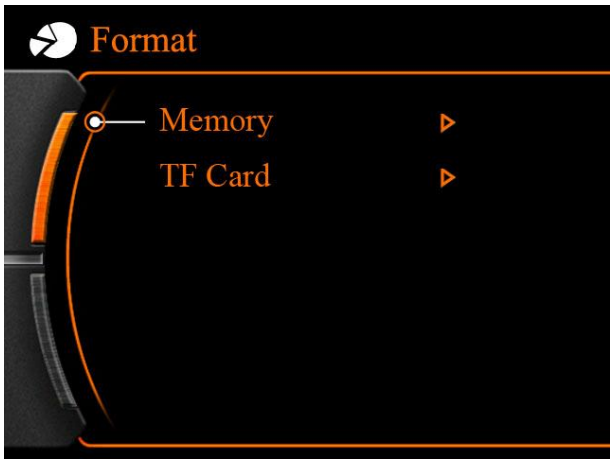
Format:

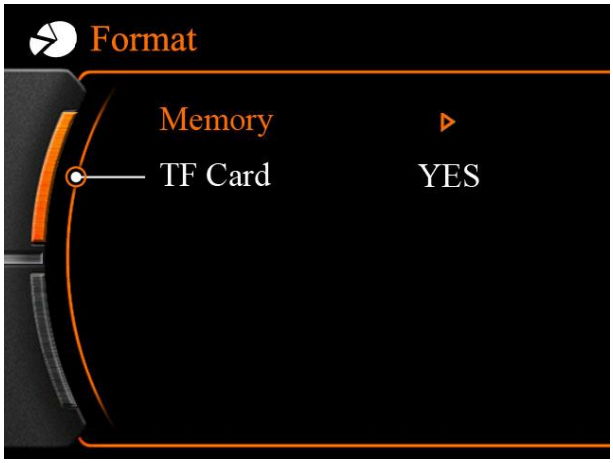
Use [⏮] and [⏭] to move flasing arrow to format.



Press [●/⏯] to enter.

Use [⏮] and [⏭] to select format which object, and press [●/⏯] to confirm.





Press MENU button to exit.

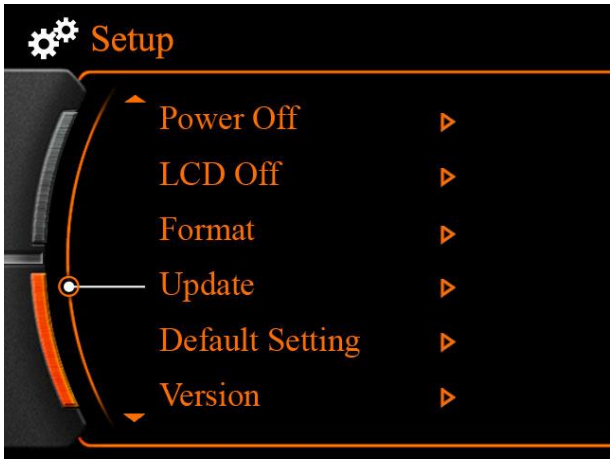
Notice:

Data can not recover after you format the storage, please be noticed beofre you do.

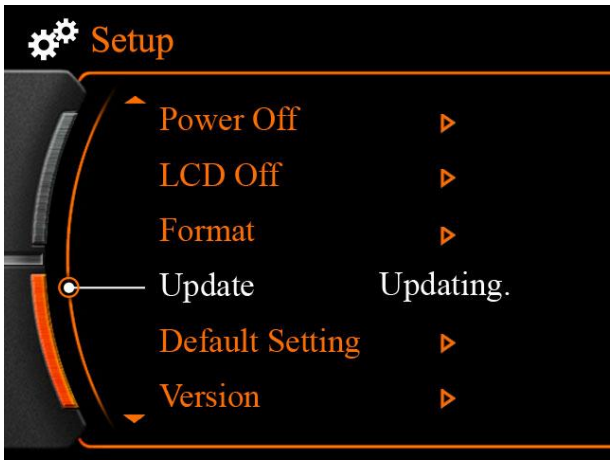
Programe update:

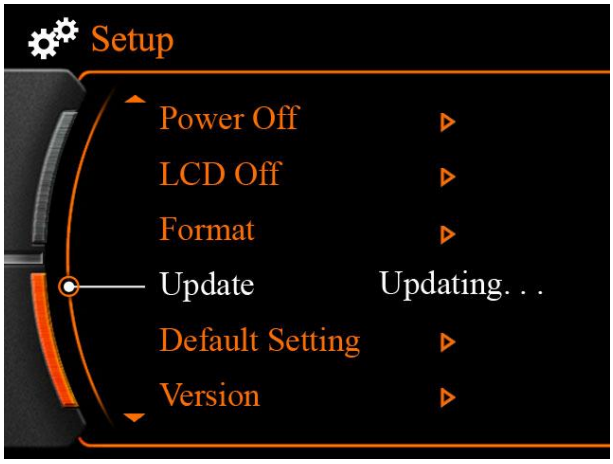
Copy the update files to TF card root directory, and pull card into main set.

Use [⏮]and[⏭]to move flasing arrow to update.



Press [●/⏯] to update.



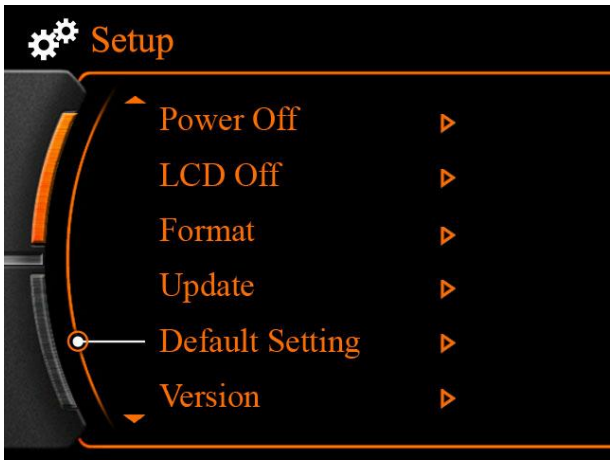


Main set will auto shut after programe update successfully, please power on the main set to use. Select version can view the version of system software.

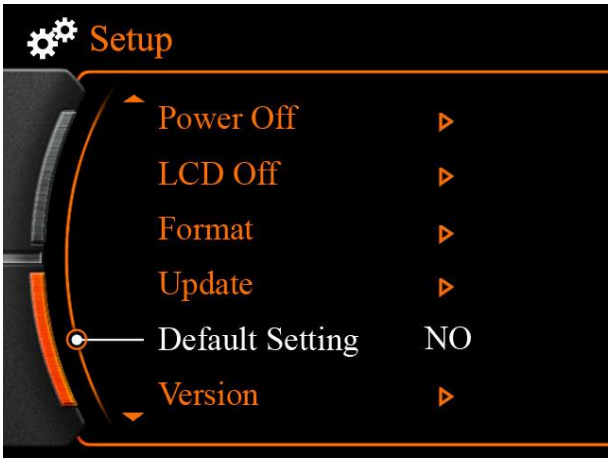
Default setting:

Recover the main set to factory setting.

Use [⏮] and [⏭] to move flasing arrow to default setting.



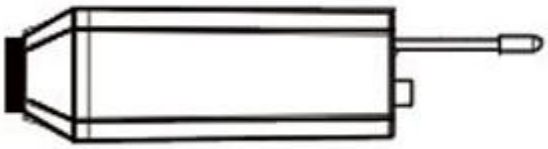
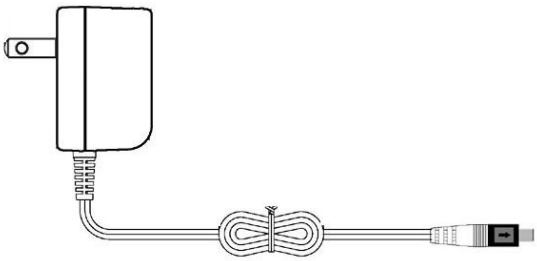
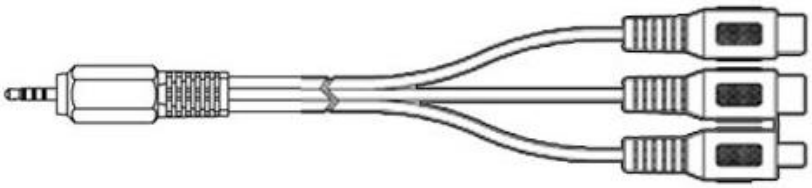
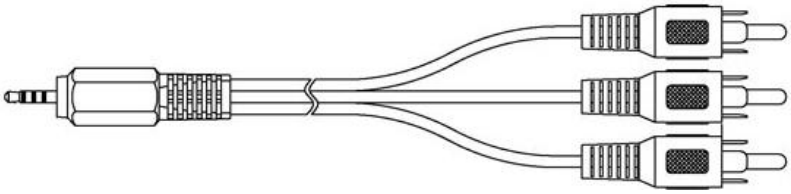
Press [●/⏯] to enter.

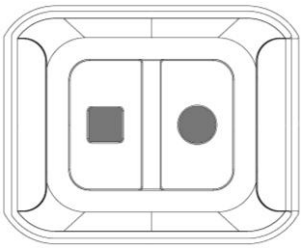
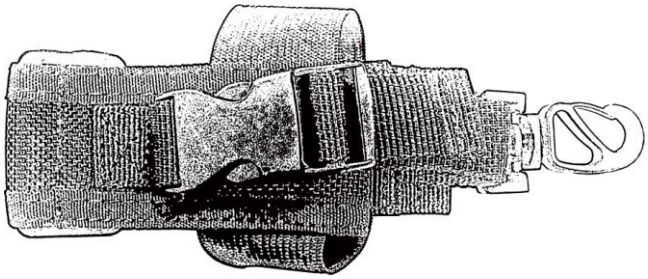
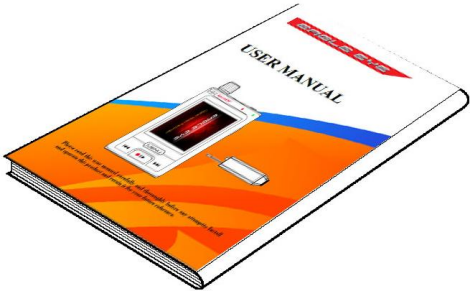


Use [⏮] and [⏭] to select recover factory setting or not, and press [●/⏯] to confirm.

Press MENU button to exit.

*Accessories

Main unit x 1	
Wireless Camera x 1	
Battery x 1	
Power charger x 1	
AV input cable x 1	
AV output cable x 1	

USB cable x 1	
Disc x 1	
Wireless remote controller (Optional) x 1	
Protective pack x 1	
Manual x 1	

PARAMETERS

Wireless HDVR

PV922	
LCD	2.5inch TFT LCD 960×240
Video system	PAL/NTSC
Video resolution	D1 720×576@25 fps D1 720×480@30 fps
Frame rate	VGA 640×480@30fps QVGA 320×240@30fps
Video format	AVI (MPEG-4)
Audio format	MP3
Built-in flash memory	128MB~2G(optional)
Memory compatibility	Micro SD Card 256MB~16GB
Transmission Frequency	ISM 2,400MHz~ 2,483MHz 4CH*
Modulation Mode	FM
Receiving Sensitivity	≤-85dBm
USB Jack	High-speed USB 2.0
AV In Jack	3 rings with 2.5mm
AV Output Jack	3 rings with 3.5mm
Earphone jack	3 rings with 3.5mm
Operation Temperature	-0℃-60℃
Operation Humidity	15-85%RH
Power supply	DC 5V 1000mAh
Battery	Li-ion battery 1300mAh
OS supported	2000/XP/Vista 32
Language	Chinese/English

2.4G Wireless Camera

WS620	
Imaging sensor type	CMOS
CMOS Total Pixels	628×582(PAL)/ 510×492(NTSC)
Horizontal Resolution	380 TV Lines
Minimum Illumination	5Lux/F1.2
Dimensions	75×28×148 mm
Consumption Current	700MA

We will not inform you if there is any modification for user maual in future.